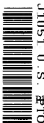


10/00/80



Please type a sign (+) inside this box

+ PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0697-0172 U.S. PTO
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. PF116D1C1
First Inventor Li et al.
Title **Neurotransmitter Transporter**
Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 37]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Sequence Listing
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Figs 1A-E) [Total Sheets 5]
5. ☒ Oath or Declaration (executed) [Total Pages 2]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☒ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. ☒ Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ paper (pgs. 28-33)
 - c. ☒ Request under 37 CFR 1.821(e)

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet and document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/ Form PTO/SB/08
☐ Copies of Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
15. ☐ Certified copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: Formal Drawings (4 sheets, Figs. 1A-D)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No. 09/062,815

Prior application information: Examiner Allen, M. Group/Art Unit: 1631
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

22195

or ☐ Correspondence address below

NAME

ADDRESS

CITY

STATE

COUNTRY

TELEPHONE

ZIP CODE

FAX

NAME (Print/Type) Joseph J. Kenny

Registration No. (Attorney/Agent) 43,710

SIGNATURE

Date August 8, 2001

* Statement: This form is prepared to take 15 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time this form requires to complete should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

10/00/80

PTO/SB/05 (08-00)

**FEE TRANSMITTAL
for FY 2001***Patent fees are subject to annual revision.***Complete if Known**

Application Number		Unassigned	
Filing Date		Herewith	
First Named Inventor		L.I. et al.	
Examiner Name			
Group Art Unit			
Attorney Docket Number		PF116DICI	
Total amount of payment (\$)		844.00	

METHOD OF PAYMENT (CHECK ONE)		FEE CALCULATION (CONTINUED)																																																																																																																																																		
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account Number 08-3425 Deposit Account Human Genome Sciences, Inc. Name <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td></td> </tr> <tr> <td>112</td> <td>920</td> <td>112</td> <td>920</td> <td></td> </tr> <tr> <td>113</td> <td>1,840</td> <td>113</td> <td>1,840</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td></td> </tr> <tr> <td>116</td> <td>390</td> <td>216</td> <td>195</td> <td></td> </tr> <tr> <td>117</td> <td>890</td> <td>217</td> <td>445</td> <td></td> </tr> <tr> <td>118</td> <td>1,390</td> <td>218</td> <td>695</td> <td></td> </tr> <tr> <td>128</td> <td>1,890</td> <td>228</td> <td>945</td> <td></td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td></td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td></td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td></td> </tr> <tr> <td>141</td> <td>1,240</td> <td>241</td> <td>620</td> <td></td> </tr> <tr> <td>142</td> <td>1,240</td> <td>242</td> <td>620</td> <td></td> </tr> <tr> <td>143</td> <td>440</td> <td>243</td> <td>220</td> <td></td> </tr> <tr> <td>144</td> <td>600</td> <td>244</td> <td>300</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>30</td> <td></td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>481</td> <td>40</td> <td></td> </tr> <tr> <td>146</td> <td>710</td> <td>246</td> <td>355</td> <td></td> </tr> <tr> <td>149</td> <td>710</td> <td>249</td> <td>355</td> <td></td> </tr> <tr> <td>179</td> <td>710</td> <td>279</td> <td>355</td> <td></td> </tr> <tr> <td>169</td> <td>190</td> <td>169</td> <td>900</td> <td></td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Description	Fee Paid	105	130	205	65		127	50	227	25		139	130	139	130		147	2,520	147	2,520		112	920	112	920		113	1,840	113	1,840		115	110	215	55		116	390	216	195		117	890	217	445		118	1,390	218	695		128	1,890	228	945		119	310	219	155		120	310	220	155		121	270	221	135		138	1,510	138	1,510		140	110	240	55		141	1,240	241	620		142	1,240	242	620		143	440	243	220		144	600	244	300		122	130	122	130		123	50	123	30		126	240	126	240		581	40	481	40		146	710	246	355		149	710	249	355		179	710	279	355		169	190	169	900	
Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Description	Fee Paid																																																																																																																																																
105	130	205	65																																																																																																																																																	
127	50	227	25																																																																																																																																																	
139	130	139	130																																																																																																																																																	
147	2,520	147	2,520																																																																																																																																																	
112	920	112	920																																																																																																																																																	
113	1,840	113	1,840																																																																																																																																																	
115	110	215	55																																																																																																																																																	
116	390	216	195																																																																																																																																																	
117	890	217	445																																																																																																																																																	
118	1,390	218	695																																																																																																																																																	
128	1,890	228	945																																																																																																																																																	
119	310	219	155																																																																																																																																																	
120	310	220	155																																																																																																																																																	
121	270	221	135																																																																																																																																																	
138	1,510	138	1,510																																																																																																																																																	
140	110	240	55																																																																																																																																																	
141	1,240	241	620																																																																																																																																																	
142	1,240	242	620																																																																																																																																																	
143	440	243	220																																																																																																																																																	
144	600	244	300																																																																																																																																																	
122	130	122	130																																																																																																																																																	
123	50	123	30																																																																																																																																																	
126	240	126	240																																																																																																																																																	
581	40	481	40																																																																																																																																																	
146	710	246	355																																																																																																																																																	
149	710	249	355																																																																																																																																																	
179	710	279	355																																																																																																																																																	
169	190	169	900																																																																																																																																																	
1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td></td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td></td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td></td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td></td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td></td> </tr> </tbody> </table> Subtotal (1) \$710.00		Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Description	Fee Paid	101	710	201	355		106	320	206	160		107	490	207	245		108	710	208	355		114	150	214	75		Fee Description Utility filing fee Design filing fee Plant filing fee Release filing fee Provisional filing fee																																																																																																																				
Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Description	Fee Paid																																																																																																																																																
101	710	201	355																																																																																																																																																	
106	320	206	160																																																																																																																																																	
107	490	207	245																																																																																																																																																	
108	710	208	355																																																																																																																																																	
114	150	214	75																																																																																																																																																	
2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total claims</th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>- 20*</td> <td>3</td> <td>\$54.00</td> </tr> <tr> <td>Indep. claims</td> <td>4</td> <td>- 3**</td> <td>\$80.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>\$</td> </tr> </tbody> </table>		Total claims	Extra	Fee from below	Fee Paid	23	- 20*	3	\$54.00	Indep. claims	4	- 3**	\$80.00	Multiple Dependent			\$	Fee Description Claims in excess of 20 Independent claims in excess of 3 Multiple dependent claim **Rescued independent claims over original patent **Rescued claims in excess of 20 and over original patent																																																																																																																																		
Total claims	Extra	Fee from below	Fee Paid																																																																																																																																																	
23	- 20*	3	\$54.00																																																																																																																																																	
Indep. claims	4	- 3**	\$80.00																																																																																																																																																	
Multiple Dependent			\$																																																																																																																																																	
Subtotal (2) (\$) 134.00		Subtotal (3) \$																																																																																																																																																		

Submitted By		<i>Complete (if applicable)</i>	
Name (Print/Type) Joseph J. Kenny		Registration No.: 43,710	
Signature: <i>Joseph J. Kenny</i>		Telephone 301-610-5800	
		Date August 2, 2001	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2008.

ESSENTIALS OF FINANCIAL ACCOUNTING

Application Serial No.: to be assigned

Filed: herewith

Examiner: to be assigned

Title: Neurotransmitter Transporter

Attorney Docket No.: PF116D1C1

Commissioner for Patents
Washington, D.C. 20231

The above-identified patent application is a continuation of application Serial No. 09/062,815 filed April 20, 1998, which is a divisional of application Serial No. 08/424,424, filed April 21, 1995, now issued as US Patent No. 5,759,854. The sequence listing of the instant application is identical to the sequence content of the paper copy and the computer readable sequence listing filed on December 20, 1999 in connection with application Serial No. 09/062,815.

In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed on December 20, 1999 in connection with application Serial No. 09/062,815, as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the specification of the instant application filed herewith. Applicants hereby certify that the paper copy of the Sequence Listing filed herewith and the computer readable sequence listing filed on December 20, 1999 in connection with application Serial No. 09/062,815, are the same and do not include new matter.

Respectfully submitted

Date: August 8, 2001

Joseph J. Kenny (Reg. No. 43,710)
Agent for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
(301) 610-5800 (telephone)

MMW/IJK/DS/ur